

ABSTRACT OF THE DISCLOSURE

Apparatus and methods for non-invasive electrical stimulation of the brain through skin surface stimulation of the peripheral nervous system as a treatment for movement disorders. Skin surface electrodes are positioned at predetermined peripheral surface stimulation sites on the skin surface using a variety of neural imaging techniques. A pulsatile electrical current is generated at the stimulation sites through a variety of standard electrical stimulation devices. Stimulation of the peripheral surface stimulation sites translates to electrical stimulation of a specific area of the brain.